



Water-Data Report 2008

405808074583001 Local number 410349 Blairstown 1 Obs

Valley and Ridge aquifers
Martinsburg Shale
Warren County, NJ

LOCATION.--Lat 40°58'08", long 74°58'30" referenced to North American Datum of 1927, Blairstown Township, Warren County, NJ, Hydrologic Unit 02040105, in the Limestone Ridge and Marsh Preserve, Cedar Lake Rd.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 294 ft. Upper casing diameter 6 in; top of first opening 41 ft, bottom of last opening 294 ft. Drilled observation well.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum, July 13, 1999, to present.

PERIOD OF RECORD.--July 1999 to current year.

GAGE.--Submersible logger pressure transducer--60-minute recording interval. Water-level recorder, July 1999 to Apr. 2008.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.62 ft below land surface, Apr. 16, 2007; lowest, 6.09 ft below land surface, Aug. 7, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 3.20 ft below land surface datum, Mar. 5; lowest water level, 5.99 ft below land surface datum, Sept. 5.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.69	5.17	5.08	4.66	5.25	5.07	5.16	5.24	5.35	5.78	5.83	5.93
2	5.69	5.21	5.12	4.75	5.03	5.10	5.13	5.26	5.39	5.80	5.81	5.95
3	5.69	5.23	5.10	4.86	5.07	5.12	5.16	5.30	5.40	5.81	5.82	5.95
4	5.69	5.27	5.13	4.94	5.10	4.99	5.13	5.31	5.37	5.78	5.84	5.95
5	5.71	5.28	5.16	4.99	5.09	3.58	5.11	5.41	5.39	5.79	5.85	5.95
6	5.71	5.30	5.20	5.04	5.04	3.76	5.13	5.49	5.42	5.78	5.83	5.86
7	5.72	5.33	5.23	5.08	4.92	4.40	5.15	5.44	5.47	5.80	5.84	5.80
8	5.72	5.35	5.25	5.09	4.90	4.25	5.16	5.43	5.54	5.82	5.85	5.85
9	5.66	5.36	5.26	5.12	4.93	3.67	5.16	5.35	5.56	5.82	5.86	5.76
10	5.55	5.37	5.20	5.16	4.97	4.28	5.17	5.23	5.58	5.83	5.85	5.74
11	5.42	5.38	5.20	5.17	5.03	4.63	5.19	5.28	5.59	5.83	5.80	5.78
12	5.33	5.40	5.20	5.19	5.07	4.80	5.19	5.28	5.64	5.83	5.81	5.78
13	5.43	5.40	5.20	5.22	4.32	4.92	5.21	5.31	5.67	5.86	5.84	5.72
14	5.48	5.41	5.17	5.22	3.66	4.97	5.24	5.30	5.68	5.79	5.85	5.76
15	5.52	5.17	5.18	5.21	4.34	5.02	5.26	5.32	5.64	5.81	5.83	5.78
16	5.56	5.10	5.17	5.22	4.67	5.05	5.28	5.25	5.68	5.81	5.84	5.79
17	5.56	5.18	5.18	5.24	4.83	5.08	5.29	5.12	5.69	5.83	5.86	5.80
18	5.57	5.22	5.22	5.22	4.42	5.10	5.32	5.17	5.70	5.84	5.87	5.80
19	5.53	5.21	5.23	5.21	4.10	5.02	5.34	5.15	5.70	5.86	5.87	5.82
20	5.33	5.16	5.24	5.23	4.44	4.71	5.36	5.17	5.71	5.87	5.86	5.84
21	5.40	5.12	5.26	5.26	4.72	4.69	5.38	5.21	5.66	5.86	5.86	5.83
22	5.45	5.13	5.28	5.28	4.87	4.76	---	5.25	5.70	5.87	5.86	5.83
23	5.48	5.16	5.15	5.28	4.95	4.88	---	5.29	5.72	5.82	5.89	5.84
24	5.48	5.19	4.76	5.28	5.03	4.97	5.44	5.32	5.72	5.64	5.90	5.85
25	5.48	5.21	4.83	5.30	5.06	5.04	5.48	5.29	5.73	5.69	5.90	5.85
26	5.47	5.09	4.89	5.30	5.05	5.06	5.49	5.28	5.75	5.77	5.90	5.81
27	4.89	4.94	4.93	5.34	4.98	5.11	5.52	5.29	5.75	5.77	5.91	5.82
28	4.86	4.94	4.97	5.34	5.03	5.13	5.38	5.33	5.76	5.79	5.92	5.68
29	4.98	4.98	4.74	5.34	5.06	5.16	5.14	5.34	5.76	5.81	5.93	5.51
30	5.07	5.02	4.65	5.35	---	5.19	5.21	5.36	5.77	5.81	5.91	5.62
31	5.13	---	4.60	5.36	---	5.21	---	5.36	---	5.82	5.92	---
Mean	5.46	5.21	5.09	5.17	4.83	4.80	---	5.29	5.62	5.81	5.86	5.81
Max	5.72	5.41	5.28	5.36	5.25	5.21	---	5.49	5.77	5.87	5.93	5.95
Min	4.86	4.94	4.60	4.66	3.66	3.58	---	5.12	5.35	5.64	5.80	5.51

